

From: Dana Dean
To: Miller, Vicky
Date: 3/5/04 12:43PM
Subject: Re: Changes to Water Database and Upload 4Q 04 Soldier, Banning, Dugout

Vicky,

I mad the changes you requested to the parameters set in the database. I also uploaded all of the data for Dugout Cyn., Banning Siding, and Soldier Cyn from the pipeline. A report is attached.

Please let me know if you have any questions.

Thanks,

Dana Dean, P.E.
Senior Reclamation Hydrologist
(801) 538-5320
danadean@utah.gov

>>> "Miller, Vicky" <VMiller@archcoal.com> 03/04/04 03:31PM >>>

Dana, I entered data today and would like you to make the following changes in the Dugout files. In the operational parameters which come up automatically please remove "total alkalinity" in files for sites 203, 260, SC14, SP20, SC116; Remove "cation/anion balance" in files for sites DC-1, DC-2. Add "bicarbonate" to the files for sites SC116, DC-1, DC-2, PC1A, 203, 260, SC14, SP20. Add TDS to the files for sites 203, 260, SC14, SP20, SC116. Last but not least site DH-1 has not automatic parameters, would you please put the parameters in that file. I hope I caught all the missing parameters in the data I entered and OK'ed today.

I know Pam is out of town for another week, so I am informing you that the approved water data for the 4th quarter is in the pipeline for Dugout, Banning and Soldier Canyon.

If you have any questions, let me know. Thanks, Vicky

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CC: Gregg Galecki; Pete Hess; Sheila Morrison

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OFFICIAL UPLOAD REPORT

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OWNER: CANYON FUEL CO., LLC
MINE: BANNING SIDING

SITE TYPE: UPDES Permit discharge point

SITE: UTG040011-001
NO FLOW Date: 10/31/2003 Time: 07:00

NO FLOW Date: 11/30/2003 Time: 07:00

NO FLOW Date: 12/31/2003 Time: 07:00

NO FLOW Date: 01/31/2004 Time: 07:00

NO FLOW Date: 02/29/2004 Time: 07:00

SITE: UTG040011-002
NO FLOW Date: 10/31/2003 Time: 07:00

NO FLOW Date: 11/30/2003 Time: 07:00

NO FLOW Date: 12/31/2003 Time: 07:00

NO FLOW Date: 01/31/2004 Time: 07:00

NO FLOW Date: 02/29/2004 Time: 07:00

MINE: SOLDIER CANYON

SITE TYPE: Stream

SITE: G-5
Laboratory: ACZ 43221-07 Period:OPER
Sample Date: 10/01/2003 Time: 13:25 Reported: 10/24/2003 Received: 10/03/2003

SITE: G-6
Laboratory: ACZ 43221-08 Period:OPER
Sample Date: 10/01/2003 Time: 13:35 Reported: 10/24/2003 Received: 10/03/2003

SITE TYPE: UPDES Permit discharge point

SITE: MW-1
NO FLOW Date: 10/31/2003 Time: 08:00

NO FLOW Date: 11/30/2003 Time: 08:00

NO FLOW Date: 12/31/2003 Time: 08:00

NO FLOW Date: 01/31/2004 Time: 08:00

NO FLOW Date: 02/29/2004 Time: 08:00

SITE: MW-2
NO FLOW Date: 10/31/2003 Time: 08:00

NO FLOW Date: 11/30/2003 Time: 08:00

NO FLOW Date: 12/31/2003 Time: 08:00

NO FLOW Date: 01/31/2004 Time: 08:00

NO FLOW Date: 02/29/2004 Time: 08:00

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OFFICIAL UPLOAD REPORT

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SITE: UT0023680-002

NO FLOW Date: 10/31/2003 Time: 08:00

NO FLOW Date: 11/30/2003 Time: 08:00

NO FLOW Date: 12/31/2003 Time: 08:00

NO FLOW Date: 01/31/2004 Time: 08:00

NO FLOW Date: 02/29/2004 Time: 08:00

MINE: DUGOUT CANYON

SITE TYPE: Other: in mine, roof drippers

SITE: MD-1

NO FLOW Date: 10/03/2003 Time: 08:45

SITE TYPE: Spring

SITE: 200

NO FLOW Date: 10/01/2003 Time: 08:45

SITE: 203

Laboratory: ACZ 43221-03 Period:OPER

Sample Date: 10/01/2003 Time: 08:20 Reported: 10/24/2003 Received: 10/03/2003

SITE: 227

NO FLOW Date: 10/01/2003 Time: 07:30

SITE: 259

NO FLOW Date: 10/01/2003 Time: 07:55

SITE: 260

Laboratory: ACZ 43221-04 Period:OPER

Sample Date: 10/01/2003 Time: 09:45 Reported: 10/24/2003 Received: 10/03/2003

SITE: SC-100

NO FLOW Date: 10/01/2003 Time: 11:45

SITE: SC-116

Laboratory: ACZ 43221-02 Period:OPER

Sample Date: 10/01/2003 Time: 10:30 Reported: 10/24/2003 Received: 10/03/2003

Comments: Cleaned around source

SITE: SC-14

Laboratory: ACZ 43221-05 Period:OPER

Sample Date: 10/01/2003 Time: 12:00 Reported: 10/24/2003 Received: 10/03/2003

SITE: SC-65

Laboratory: FLD 20031001-1 Period:OPER

Sample Date: 10/01/2003 Time: 11:20 Reported: 10/01/2003 Received: 10/01/2003

Comments: Insufficient water for sample

SITE: SP-20

Laboratory: ACZ 43221-06 Period:OPER

Sample Date: 10/01/2003 Time: 12:20 Reported: 10/24/2003 Received: 10/03/2003

Comments: Site cleaned and improvements to spring made

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OFFICIAL UPLOAD REPORT

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SITE TYPE: Stream

SITE: DC-1

Laboratory: ACZ 43261-01 Period:OPER
Sample Date: 10/03/2003 Time: 08:20 Reported: 10/27/2003 Received: 10/07/2003

SITE: DC-2

Laboratory: ACZ 43261-02 Period:OPER
Sample Date: 10/03/2003 Time: 08:10 Reported: 10/27/2003 Received: 10/07/2003
Comments: Sample taken upstream adjacent to Gilson Well

SITE: DC-3

NO FLOW Date: 10/03/2003 Time: 08:05

SITE: PC-1A

Laboratory: ACZ 43221-01 Period:OPER
Sample Date: 10/01/2003 Time: 09:15 Reported: 10/24/2003 Received: 10/03/2003

SITE: PC-2

NO FLOW Date: 10/01/2003 Time: 07:20

SITE: RC-1

NO FLOW Date: 10/01/2003 Time: 07:00

SITE: SS-1

NO FLOW Date: 10/03/2003 Time: 09:05

SITE: SS-2

NO FLOW Date: 10/03/2003 Time: 08:55

SITE TYPE: UPDES Permit discharge point

SITE: UTG040020-001

Laboratory: ACZ 43353-02 Period:OPER
Sample Date: 10/09/2003 Time: 11:35 Reported: 10/27/2003 Received: 10/13/2003

Laboratory: ACZ 43681-02 Period:OPER
Sample Date: 11/05/2003 Time: 14:05 Reported: 11/29/2003 Received: 11/10/2003

Laboratory: ACZ 43681-01 Period:OPER
Sample Date: 11/05/2003 Time: 14:10 Reported: 11/29/2003 Received: 11/10/2003

Laboratory: ACZ 44139-01 Period:OPER
Sample Date: 12/19/2003 Time: 08:25 Reported: 01/06/2004 Received: 12/23/2003

SITE: UTG040020-002

NO FLOW Date: 10/31/2003 Time: 09:00

NO FLOW Date: 11/30/2003 Time: 09:00

NO FLOW Date: 12/31/2003 Time: 09:00

NO FLOW Date: 01/31/2004 Time: 09:00

NO FLOW Date: 02/29/2004 Time: 09:00

SITE: UTG040020-003

NO FLOW Date: 10/31/2003 Time: 09:00

NO FLOW Date: 11/30/2003 Time: 09:00

NO FLOW Date: 12/31/2003 Time: 09:00

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OFFICIAL UPLOAD REPORT

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NO FLOW Date: 01/31/2004 Time: 09:00

NO FLOW Date: 02/29/2004 Time: 09:00

SITE: UTG040020-004

NO FLOW Date: 10/31/2003 Time: 09:00

NO FLOW Date: 11/30/2003 Time: 09:00

NO FLOW Date: 12/31/2003 Time: 09:00

NO FLOW Date: 01/31/2004 Time: 09:00

NO FLOW Date: 02/29/2004 Time: 09:00

SITE TYPE: Well

SITE: DH-1

Laboratory: ACZ 43518-01 Period:BASE

Sample Date: 10/03/2003 Time: 08:45 Reported: 11/06/2003 Received: 10/07/2003

Comments: Sample misplaced at lab facility

SITE: DH-2

Laboratory: FLD 20031014-1 Period:OPER

Sample Date: 10/14/2003 Time: 07:30 Reported: Received:

SITE: DH-3

Laboratory: FLD 20031014-2 Period:OPER

Sample Date: 10/14/2003 Time: 07:40 Reported: Received:

SITE: GW-10-2

Laboratory: FLD 20031028-2 Period:OPER

Sample Date: 10/28/2003 Time: 12:30 Reported: Received:

SITE: GW-11-2

Laboratory: FLD 20031028-3 Period:OPER

Sample Date: 10/28/2003 Time: 13:10 Reported: Received:

SITE: GW-24-1

NO ACCESS Date: 10/01/2003 Time: 10:45

Comments: Blocked